PROFILE

Name	: **Dr.S.CHIDAMBARAM**
Designation	: Associate Professor
Branch	: Information Technology
Address for Communication	: Associate Professor
	Department of IT,
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Scopus ID : 56482986100

VIDWAN-ID : 286530   **Profile URL:** https://vidwan.inflibnet.ac.in/profile/286530

Publons ID-Web of Science Researcher ID: ABA-6048-2020

AICTE Faculty ID : 1-455253409

AICTE Institution ID : 1-9323172510

Anna University Faculty Code: 9576123

1.PERSONAL DETAILS :

Date of Birth & Age   : 01-06-1984 & 40

Sex & Marital Status   : Male & Married

Nationality   : Indian

QUALIFICATION:

Degree	Programme and Specialization	Class /CGPA	Month &Year of Passing	Institute/University
B.Tech.	IT	75 (First class with Distinction)	April 2005	Francis Xavier Engineering College/Anna University Chennai
M.E	CSE	81 (First class with Distinction)	August-2009	National Engineering College, Kovilpatti / Anna University Tirunelveli.
Ph.D	Information and Communication	-	Mar 2020	Anna University, Chennai

PROFESSIONAL EXPERIENCE :

Designation	Institution/ Organisation	Period	Nature of Duties
Lecturer	S.Veerasamy Chettiar College of Engineering and Technology, Puliangudi	From 02-05-2005 To 25-05-2007	Teaching
Assistant Professor	National Engineering College, Kovilpatti.	01-06-2009 To 14-07-2015	Teaching
Assistant Professor (Senior Grade)	National Engineering College, Kovilpatti.	15.07.2015 to 28-08-2023	Teaching
Associate Professor	National Engineering College, Kovilpatti.	29-08-2023 to till date	Teaching

Date of joining in Present Institution : 01-06-2009

COURSES TAUGHT:

Course Title	U.G. or P.G.
1. Big Data Analytics 2. Introduction to Data Science 3. Operating system 4. Principles of Object Oriented Analysis and Design 5. Advanced Database Technology 6. User Interface Design 7. Software Project Management 8. Cryptography and Network Security 9. Computer Networks 10. Object Oriented Programming 11. Software Engineering and Quality Assurance 12. Mobile Communication	U.G
1. Business Analytics 2. Wireless Mobile Communication 3. Design Principles of Computer Networks	P.G

2. ACADEMIC ACHIEVEMENTS

2.1 SHORT TERM COURSES / SEMINARS / CONFERENCE/ WORKSHOPS ORGANIZED:

➢ Acted as coordinator in **"Rational Application Developer"** workshop from 25-08-2010 to 28-08-2010.

➢ Acted as coordinator in **"Research perspective in engineering"** seminar on 02-04-2011.

➢ Acted as coordinator in **"Research methods for academicians, research scholars & practitioners"** seminar on 17-11-2012.

➢ Acted as coordinator in **Cisco System (India) pvt.Ltd. Sponsored** seminar on "Cisco academy meet on **"Emerging trends in green networking technologies"** on 08-03-2013.

- Acted as coordinator in **"Spoken tutorial workshop on linux"** programme on 21.02.2014.
- Acted as coordinator in **"Spoken Tutorial workshop on C/C++"** programme on 15.02.16.
- Acted as coordinator in **"Ethical Hacking and Cyber Security"** workshop on 23-02-2017.
- Acted as coordinator in **"Data Science and Big Data Analytics"** workshop from 08-08-2017 to 12-08-2017.
- Acted as coordinator in **"Internet of Things"** workshop on 01-03-2018.
- Acted as coordinator in **"National Level Technical Symposium – JEONTUZ'18"** programme on 02-03-2018.
- Acted as coordinator in **"Data Science and Big Data Analytics – ICT Academy"** workshop on 19-01-18.
- Acted as coordinator in **"Skill Training in Technology and Soft Skills – ICT Academy"** programme from 19-08-19 to 31-08-2019.
- Acted as coordinator in **"Spoken tutorial workshop on Java"** workshop on 04-09-2019.
- Acted as coordinator in **"Data Science and R- Tool – IEEE Student branch"** workshop on 02-02-2019.
- Acted as coordinator in **"Deep Learnining using MATLAB" – IEEE Madras Session Sponsored workshop** during 12th & 13th Nov 2020.

2.2 PROFESSIONAL TRAININGS, CERTIFICATIONS AND PARTICIPATIONS:

- Attended Workshop on **"Network Laboratory"** at National Engineering College, Kovilpatti, during 6th & 7th Nov 2006.
- Attended FDP on **"IBM community edition technologies"** at National Engineering College, Kovilpatti, during 25th & 26th Oct 2007.
- Attended Workshop on **"Network simulator (NS2)"** at National Engineering College, Kovilpatti, during 22nd & 23rd 2008.
- Attended AICTE Sponsored FDP on **"Wireless and mobile networks",** at SONA College of Technology, Salem, from 16-11-09 to 28-11-09.
- Attended AICTE & DRDO sponsored Seminar on **"Grid computing"**, at National Engineering College, Kovilpatti, from 25-05-09 to 27-05-09.
- Attended seminar on **"Recent research: multi perception"** at National Engineering College, Kovilpatti, during 18th & 19th 2009.
- Attended seminar on **"Recent advancement in networking-ranets'09"** at Ultra College of Engineering and Technology for Women, Madurai on 07-11-09.
- Attended conference on **"Advanced image processing and networking"**, at National Engineering College, Kovilpatti, during 6th & 7th 2009.
- Attended AICTE Sponsored FDP on **"Prospective issues and methodologies in human machine interaction"** at National Engineering College, Kovilpatti from 17-05-10 to 21-05-10.
- Attended FDP on **"CCNA Instructor Training Program"**, at VIT University, Chennai campus from 29-11-11 to 9-12-11.

- Attended DRDO Sponsored Seminar on "**Mobile cellular networks"**, at Kongu Engineering College, Erode, from 06.01.11 to 08.01.11.
- Attended CSIR Sponsored Seminar on **"Research issues in wearable computing"** at National Engineering College, Kovilpatti during 28th & 29th Jan 2011.
- Attended IBM Workshop on **"Rapid Application Developer (RAD)",** at National Engineering College, Kovilpatti from 22-09-11 to 26-09-11
- Attended FDP on **"Mobile communication"** at Anna University (MIT Campus), Chennai from 14-05-12 to 20-05-12
- Attended workshop on **"National Programme on Technology Enhanced Learning"** at S.T Hindu College, Nagercoil, on 24-03-12.
- Attended seminar on **"Semantic informational retrieval from medical database for clinical support systems"**, National Engineering College, Kovilpatti during 6th & 7th April 2012.
- Attended seminar on **"Principles & Practices of Knowledge Discovery In Database",** at Anna University, Guindy, during 14th & 15th Aug 2012.
- Attended workshop on **"Tivoli Directory Server" at National Engineering College,** from 17-09-12 to 20-09-12**.
- Attended DRDO sponsored Seminar on **"Language Based Formal Methods and Verification Techniques for Security"**, at National Engineering College, during 2nd & 8th Aug 2013.
- Attended IARCS Technically Sponsored course on **"Computational Complexity"**, at National Engineering College during 27th & 28th Sep 2013.
- Attended workshop on **"Quality Improvement Cell",** at Government College of Engineering on 07-02-14.
- Attended workshop on **"Network Simulator NS2",** at National Engineering College, during 26th & 27th oct 2014.
- Attended workshop on **"Intellectual Property Rights",** at National Engineering College on 07-11-2015.
- Attended TEQIP -TANSCTE & Anna university sponsored programme on **"Foundation skills in integrated product development Train the trainer program – Certified master Trainer",** IT-ITeS SSC NASSCOM at Thiagarajar College of Engineering, Madurai from 19-01-2016 to 23-01-2016.
- Attended workshop on **"Data Analysis using SPSS",** at Mepco Schlenk Engineering college, Sivakasi during 2nd & 3rd Dec 2016.
- Attended QIP on **"Technology enabled teaching learning process",** at National Institute of Technical Teachers Training & Research from 27-05-17 to 29-05-17.
- Attended AICTE sponsored FDP on **"Data Science and its Research Challenges"** at Sri RamaKrishna Engineering college, Coimbatore from 06.11.2017 to 19.11.2017.
- Attended AICTE sponsored FDP on **"Data Science Research and Big data Analytics"** at National Engineering College from 11.12.2017 to 23.12.2017.
- Attended faculty training on **"EMC Academic Associate, Data Science and Big data Analytics – EMC Academic Associate"**, organized by EMC^2 on 17.06.2017.
- Attended AICTE sponsored QIP on **"Machine Learning and its applications"**, IIT Roorkee from 09-07-18 to 13-07-18.

- Attended TEQIP III Sponsored Short term course on **"Applications of Data Mining and Deep Learning Techniques in multidisciplinary Area"** at NIT Karnataka. From 24-06-2019 to 28-06-2019.
- Attended AICTE-Margdharshan scheme workshop on **"Perspective and challenges in outcome based research",** NIT Trichy from 13.07.2020 to 17.07.20.
- Attended AICTE Training and learning (ATAL) Academy, Online FDP on **"Data Sciences"**, Dr.Babasaheb Ambedkar Technological University, Lonere, from 30.04.20 to 04.05.2020.
- Attended NPTEL Online course on "**Introduction to machine learning"** organized by IIT Madras during 2015.
- Attended NPTEL Online course on "**Introduction to Research**" organized by IIT Madras during 2015.
- Attended NPTEL Online course on "**Knowledge management**" organized by IIT Kharagpur during Aug-Sep 2018.
- Attended NPTEL Online course on **"Data mining"** organized by IIT Kharagpur during Feb-Mar 2018.
- Attended NPTEL- AICTE FDP on "**Introduction to Learning Analytics**" organized by IIT Madras, Aug – Sep 2019.
- Attended Coursera course on "**Introduction to Data Analytics for Business**", organized by University of Colorado, during 2020.

- Attended **Webinars** on:
  - **"Software Design Aspects of WLAN Access Point"** organized by IETE Chennai Center & Sri Venkateswara College of Engineering on 25-07-2020.
  - **"COVID-19 Challenges and future Strategies",** organized by Govt.Adarsh College Umaria (MP), 25-06-20.
  - **"Why academic Journal publication is important?"** organized by Thiruvalluvar University college of arts and science, Tirupattur on 04-07-2020.
  - **"Protection of Inventions and Patent Rights",** organized by Government Kaktiya PG College, Jagdalpur, Chhattisgarh on 04-07-2020.
  - **"Use of LMS, Virtual Teaching and OBE Software for Engineering colleges"** organized by VMedulife Software Services at 20-08-2020.
  - **"The key to successful academic collaborations"** organized by Researcher Academy at 26-05-20.
- Attended National level webinar on **"Current Trends in Research & Innovation, Research Paper Publications, IPR and Patents, Research Projects & Fundraising",** organized by Institute for Academic Excellence, Hyderabad, from 27-08-2021 to 31-08-2021

3. PUBLICATIONS

International Journal (SCI/Scopus indexed)	:	8
International Conférences	:	18

National Conférences : 14

3.1 JOURNAL PUBLICATIONS

- Published paper entitled on **"Secure Transaction in Online Banking System Using IB-mRSA"**, *International Journal of Engineering Research & Technology (IJERT), ISSN:2278-0181 Vol. 2, Issue 1, January- 2013.*

- Published paper entitled on **"A Predictive Approach for Fraud Detection Using Hidden Markov Model"**, *International Journal of Engineering Research & Technology (IJERT), ISSN:2278-0181, Vol. 2, Issue 1, January- 2013.*

- Published paper entitled on **"Sequential Covering Strategy Based Classification Approach using Ant Colony Optimization"**, *International Journal of Innovative Research in Science Engineering and Technology (ICIET'14), (Scopus indexed), ISSN(Online): 2319-8753 Volume 3, Special Issue 3, March 2014.*

- Published paper entitled on, **"Additive Gaussian Noise Based data Perturbation in Multi-level trust privacy preserving data mining"**, *International Journal of Data Mining & Knowledge management Process (IJDKP)-2014, Vol.4, No.3, May 2014.* ***https://doi.org/10.5121/ijdkp.2014.4303***.

- Published paper entitled on **"Optimization Technique for Feature Selection and Classification using Support Vector Machine"**, *International Journal for trends in engineering and Technology, Volume 4, Issue 1, April 2015. ISSN:2349 – 9303.*

- Published paper entitled on **"Automatic Text Sentiment Analysis using Naïve Bayes Algorithm"**, *International journal of Advanced Research in Management, Architecture, Technology and Engineering, ISSN: 2454-9762, Vol.No.2, Issue. 11, March 2016.*

- Published paper entitled on **"A Hybrid Random Perturbation Approach for Privacy Preservation in Perturbated Data"**, *Journal of Computational and Theoretical Nano science. American Scientific Publication**. (SCI Indexed journal),** Vol. 14, Issue no.7 pp. 3472–3481, 2017. ISSN 1546-1955,* ***Doi:10.1166/jctn.2017.6652.***

- Published paper entitled on **"Performance evaluation of support vector machine classification approaches in data mining"**, *Cluster Computing The Journal of Networks, Software Tools- Springer* **(SCI Indexed),** *ISSN 1386-7857, Feb 2018,* ***DOI 10.1007/s10586-018-2036-z.***

- Published paper entitled on **"An sentimental Analysis of product Success Rate Prediction using Text Mining"**, *SSRG International journal of computer science and Engineering, ISSN: 2348-8387, Special Issue, pp.22-26, 2019.*

- Published paper entitled on **"Prediction of Emergency Admissions in Health centres using Data Mining"**, *International journal of innovative Technology and Exploring Engineering.* **(Scopus indexed) Value of Citation: 6.03,** *ISSN:2278-3075, Volume-9, Issue 8, Jun 2020, pp.No. 664-667,* ***https://doi.org/10.35940/ijitee.h6486.069820.***

- Published paper entitled on **"Mining Twitter Information Among Tweets and Social Media for Political opinion Poll"**, *International journal of innovative Technology and Exploring Engineering,* **(Scopus indexed).** *Value of Citation: 6.03, Vol.No 9, Issue No.6, April 2020.*

- Published paper entitled on **"Optimal Feature subset selection and MSVM classification based CBIR for Medical Images"**, *International Journal of Advanced Trends in Computer Science and Engineering (Scopus Indexed), ISSN 2278-3091, Vol.9, Issue No.4, August 2020. Doi: 10.30534/ijatcse/2020/81942020.*

- Published paper entitled on *"Effective Prediction of Heart Disease Using Machine Learning Technique", GIS Science Journal (Scopus indexed), ISSN No: 1869-9391, Vol. 8, Issue 3, March 2021. DOI:20.18001.GSJ.2021.V8I3.21.36735.*

- Published paper entitled **"Certain Investigation of Fake News Detection from Facebook and Twitter Using Artificial Intelligence Approach",** Wireless personal Communication, 2021. (**SCI Indexed** : Impact factor : 1.36). **https://doi.org/10.1007/s11277-021-08720-9**

- Published paper entitled on **"Deep Transfer Learning Based Unified Framework for COVID19 Classification and Infection Detection from Chest X-Ray Images",** Arabian Journal for Science and Engineering, Springer Berlin Heidelberg publisher, pp.1-18, 2021 (**SCI Indexed** : Impact factor : 2.33). **https://doi.org/10.1007/s13369-021-05958-0**

- Published paper entitled on **"An Integration of Archerfish Hunter Spotted Hyena Optimization and Improved ELM Classifier for Multicollinear Big Data Classification Tasks**", Neural Processing Letters, Vol.54, pages2049–2077, 2022. (**SCI Indexed** : Impact factor : 3.1) **https://doi.org/10.1007/s11063-021-10718-0.**

- Published paper entitled on **"An efficient big data classification using elastic collision seeker optimization based faster R-CNN"**, Neural Computing and Applications, 35, pp.19651–19668, 2023. (**SCI Indexed:** Impact Factor: 6.0),https://doi.org/10.1007/s00521-023-08707-6.

3.2   INTERNATIONAL CONFERENCE PUBLICATIONS

- Presented paper entitled on **"Qos based load distributed energy efficient routing in wireless sensor networks"**, *International Conference on Computing Technologies (ICONCT'09)*, at Mepco Schlenk Engineering College, Sivakasi on 09.11.2009.

- Presented paper entitled **on "Tele-monitoring heart failures using CART method",** *International conference on Emerging trends in Computer & Communication Technologies.(EMICS '12),* at Maria College of Engineering & Technology, during 16th &17th Feb 2012.

- Published paper entitled on **"Non technical losses identification & prediction in power utilities using genetic algorithms & support vector machine",** *International conference on Emerging trends in Computer & Communication Technologies.(EMICS '12),* at Maria College of Engineering & Technology, during 16th &17th Feb 2012.

- Published paper entitled on   **"System for detection of fraud in electricity consumption using support vector machine",** *International conference on Emerging trends in Computer & Communication Technologies.(EMICS '12),* at Maria College of Engineering & Technology, during 16th &17th Feb 2012.

- Published paper entitled on **"Comprehensive Survey on decision tree algorithms in Data mining"**, *International Conference on E-Governance & Cloud computing Services. (E-Gov '12)*, at Dr.M.G.R University, Chennai, during 17th & 18th 2012.
- Published paper entitled on **"Secure Transaction in online banking system using IB-MRSA"**, *International Conference on Advanced Computing, Machines and Embedded Technology*, at JKK Nattraja College of Engineering College & Technology during 08th & 09th 2013.
- Published paper entitled on **"Sequential Covering Strategy Based Classification Approach using Ant Colony Optimization"**, *IEEE International Conference on Innovations in Engineering and Technology (ICIET '14)*, at K.L.N College of Engineering, Madurai, during 21st & 22nd 2014.
- Published paper entitled on **"Additive Gaussian Noise Based Data Perturbation in Multi-level trust privacy preserving Data mining"**, *International Conference on Innovation in Electronics, communication and computing*, at Velammal college of Engineering and Technology, Madurai, during 10th &11th 2014.
- Presented paper entitled on **"A combined random noise perturbation approach for multi level privacy preservation in data mining"**, *Recent Trends in Information Technology (ICRTIT)*, Anna University, MIT Campus, on 12.04.2014. https://doi.org/10.1109/icrtit.2014.6996194,
- Published paper entitled on **"Optimization Technique for Feature selection and Classification using support vector machine"**, *International Conference on innovations in communications and computer engineering (ICICCE '15)*, at Coimbatore Institute of Technology, Coimbatore, on 15.02.2015.
- Presented paper entitled on **"Optimization Approach for Feature Selection and Classification with Support Vector Machine"**, *Springer AISC Series - International conference on Computational Intelligence in Data Mining (ICCIDM '15) Proceedings*, at Rorland Institute of Technology, Berhampur, Odisha, during 5th & 6th 2015.
- Published paper entitled on **"Automatic Text Sentiment Analysis using naive bayes algorithm"**, *Int.Conference on Information and communication & Electrical Technologies*, at SriVidya College of engineering and Technology on 24.03.2016.
- Published paper entitled on **"Internal Intrusion Detection and Protection System"**, *Int.Conference on Information and communication & Electrical Technologies*, at SriVidya College of engineering and Technology on 24.03.2016.
- Published paper entitled on **"Identifying patients with copcl at high risk of readmission"**, *International conference on science, technology, engineering and management*, at Kalaignarkarunanidhi Institute of Technology, Coimbatore, during 23rd & 24th 2018.
- Published paper entitled **on "Women safety android application using GPs and Alert"**, *International conference on science, technology, engineering and management*, at Kalaignarkarunanidhi Institute of Technology, Coimbatore, during 23rd & 24th 2018.
- Published paper entitled on **"An sentimental Analysis of product success Rate Prediction using Text Mining"**, *International conference on current Research in Engineering Science and Technology*, at Jeyaram College of Engineering and Technology on 08.03.2019.

- Published paper entitled on **"Mining Twitter Information for Causal connections among tweets and True results",** *International conference on Innovation in Engineering, science and Technology 2020*, at Kalasalingam Institute of Technology, during 12th &13th March 2020.
- Published paper entitled on **"Identifying High risk Patients in Emergency Admission using Data mining",** *International conference on Intelligent systems and Control*, at Karpagam college of engineering, during 9th & 10th 2020.
- Published paper entitled on **"Effective Revelation on Crime Forecasting Using Hybrid Model In Big Data Analytics",** *International Conference on Mathematical Sciences, ICMS2020*, Sathyabama Institute of Science and Technology, Chennai, March 2020.
- Published paper entitled on **"Effective prediction of heart disease using machine learning technique"**, *Int. Conf. of innovative inventions in engineering and Technology,* at International institute of research in multidisciplinary, Andhra Pradesh, 24.01.2021.
- Published paper entitled on **"Diabetic prediction using hybrid Ensembling of different machine learning classifiers",** Int. Conf. on Smart Tech. and Applications, Ramco Institute of Technology, Rajapalayam, during 11th & 12th March 2022.
- Published paper entitled on **"Cardio Vascular Disease Prediction using Machine learning Approach",** Int. Conf. on Smart Tech. and Applications, Ramco Institute of Technology, Rajapalayam, during 11th & 12th March 2022.
- Published paper entitled on **"Predictive and comparative analysis for diabetes using machine learning algorithms",** Int. Conf. on Smart Tech. and Applications, Ramco Institute of Technology, Rajapalayam, during 11th & 12th March 2022.
- Published paper entitled on **"Online shopping recommendation system using three stage algorithms",** International conference on artificial intelligence blockchain, Bannari Amman Institute of Technology, sathyamangalam on 5th & 6th January 2023.
- Published paper entitled on **"An performance analysis of predicting diabetics disease using hybrid machine learning approach",** Int. conf. on Advanced computing & Communication Systems, 17th 18th March 2023, Sri Eshwar College of Engineering, Coimbatore.
- Published paper entitled on **"Diabetics prediction using Hybrid ANN with Logistic regression algorithm"**, Int. Conf. on artificial intelligence, 5G communications and network Technologies, during 23rd & 24th March 2023, at Vellammal Institute of Technology, Chennai.

3.3 NATIONAL CONFERENCE PUBLICATIONS

- Published paper entitled on **"Advanced computer engineering and networking",** *Advances in Computer Engineering and Networking*, at PSNA college of Engg and Tech, Dindigul, on 21.03.2009.

- Published paper entitled on **"Home monitoring of heart failure using data mining"**, *Computing Technologies (MEPCONCT '12),* at Mepco Schlenk Engineering College, Sivakasi, on 14.03.2012.
- Published paper entitled on **"Survey on Asymmetric Key encryption algorithms"**, *Modeling, Simulation and Optimization (NCMSO '12),* at VELS University, Chennai, on 02.11.2012.
- Published paper entitled on **"Decision Tree based prediction model for fraud detection using Hidden Markov Model"**, *Emerging Trends in Computer Science and Engineering (ETICSE'13),* at K.S.R Engineering college on 06.03.2013
- Published paper entitled on **"Data Collection in partitioned wireless sensor network using multi-mobile element system"**, *NCFCSCT '13,* at Sri Ramakrishna Engineering College Coimbatore, during 12th &13th 2013.
- Published paper entitled on **"Identity based Transaction Using Advanced Encryption Standard (AES) in Banking System"**, *Emerging Trends in Computer Engineering and Technology*, at Sri Vidya College of Engineering College & Technology, Virudhunagar, on 08-03-13.
- Published paper entitled on **"Mobile Robot based Data collection in wireless sensor Networks"**, *Emerging Trends in Computer Engineering and Technology*, at Sri Vidya College of Engineering College & Technology, Virudhunagar, on 08.03.13
- Published paper entitled on **"Improving Classification accuracy using feature selection techniques"**, *VISION '14,* at Government College of Engineering, Tirunelveli, on 03.04.14.
- Published paper entitled on **"Rarity based risk score with scalling method for android applications"**, *National Conference on Computing and Applications (NACCA'15),* at National Engineering College on 23-03-15.
- Published paper entitled on **"Continuous authentication and Biometrics user Identity verification for the internet security"**, *National Conference on Computing and Applications (NACCA'15),* at National Engineering College on 23.03.15.
- Published paper entitled on **"Feature selection optimization technique using support vector machine classifier (FACT ' 15),** *National Conference on Frontiers in Applied Science and Computer Technology (FACT'15),* at National Institute of Technology, Trichy during 6th & 7th 2015.
- Published paper entitled on **"Automatic Text Sentiment Analysis using Naïve bayes Algorithm"**, *National conference on Engineering Applications, at Universal College of Engineering and Technology* on 21.03.2016.
- Published paper entitled on **"Internal Intrusion Detection and Protection System"**, *National conference on Advanced Computing Technologies,* at Kalasalingam University on 24.03.2016.

4. ADMINISTRATIVE ACTIVITIES:

- In-charge for the entire college computer consumable resources at National Engineering College, Kovilpatti from 2009 to 2014.

- Incharge for Computer System purchase for National Engineering College and its sister institutions from 2015 to 2021.
- Coordinator for IT Association at National Engineering College, Kovilpatti from 2018 & 2019.
- NBA Coordinator for (Criteria III & IV).
- NAAC coordinator for (Criteria VI).
- IQAC Member
- Placement coordinator for IT department at National Engineering College, Kovilpatti during 2012 and 2020.
- Acting as a CSI student branch councilor during 2021-2022.

5. INVITED TALKS :

- Acted as resource person for SDP on **"Secure Routing In Wireless Sensor Networks"** at National Engineering College, Kovilpatti, on 17.07.2009.
- Acted as resource person for the seminar on **"Mobile Communication and Pervasive computing"** at Francis Xavier Engg. College, Tirunelveli, on 15.08.2015.
- Acted as resource person for the seminar on **"Recent Trends in Mobile Communication and Wireless Sensor Networks"** at G.U Pope College of Engineering, Thoothukudi, on 22.10.2015.
- Acted as resource person for the AICTE sponsored FDP on **"Data Science Research and Big data Analytics"** at National Engineering College, Kovilpatti, on 20.12.2017.
- Acted as resource person for the seminar on **"Data mining and Deep learning techniques in recent applications"** at National Engineering College, Kovilpatti, on 06.07.2019.

6. FUNDED PROJECT :

Title of the project : Third eye for visually impaired people.
Funding Agency : DST- NSTEDB - NewGen IEDC scheme.
Amount Sanctioned: Rs. 2,50,000/-
Period : 2021-2022

7. PROFESSIONAL SERVICE: ACADEMIC COMMITTEE

- Programme Criteria IV Coordinator of IT department for **NBA Tier I Accreditation** at National Engineering College, Kovilpatti from 2015 to 2019.
- **Board of Studies** member to frame a curriculum and syllabus for IT Department at National Engineering College, Kovilpatti from 2019 & 2020.

8. INDUSTRIAL TRAINING PROGRAM ATTENDED:

- Attended Industry visit on *Latent View Technologies, chennai* on 19-12-2017 – Advanced Analytics and Machine learning.
- Attended industrial Training program at *Jilaba Software Services private Limited*, Chennai on Java and SQL from 10-09-2018 to 15-09-2018.

9. SPECIAL ACHIEVEMENTS:

➢ Certified **EMC Academic Associate**, in Data Science and Big data Analytics.
➢ Certified **instructor** for Cisco Networking Academy Program.
➢ Certified Master Trainer in **"Foundation skills in integrated product development"** course.
➢ Completed Coursera course **"The Data Scientist Tool box"** – (Grade Score 92%)
➢ Completed coursera course **"Introduction to Data Analytics for Business"** (Grade Score : 91.9%)
➢ Signed MoU with industry **"Zeros and Ones Technology"** to involve in product development activities.

10. MEMBERSHIP IN PROFESSIONAL BODIES:

➢ ISTE Life Member (LM91587).
➢ IE(I) Life Member.(M-1774624)
➢ Member in International Association of Engineers (IAE) (No.265438)
➢ Member of Institute of Engineering Research and Publications (IERP). (ID No.PM91537028).

BOOK CHAPTER PUBLISHED:

➢ "Optimization Approach for Feature Selection and Classification with Support Vector Machine", part of Advances in Intelligent Systems and Computing book series (AISC, volume 410), Computational Intelligence in Data Mining—Volume 1 on pages 103 to 111. 2016. https://doi.org/10.1007/978-81-322-2734-2_11.
➢ "IoT based ECG monitoring system for smart healthcare data applications", Recent Advancement of IoT devices in Pollution Control and Health Applications, Woodhead Publishing Advances in Pollution Research, 1st Edition, Elsevier.2023.

PATENTS FILED:

➢ Dr. S. Geetha, Dr.C. Pretty Diana Cyril, **Dr . S.Chidambaram**, Mrs. Priyanka R, R. Geetha, V. Deepa, "Rapid transaction technique using flexible blockchain configuration in Industrial IoT networks", Application No.: 202141008443 A under Intellectual Property Rights of India, Published on 05/03/2021.